

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/936,271 - C  
Source: IFW16  
Date Processed by STIC: 5/9/15

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 05/09/2005

PATENT APPLICATION: US/09/936,271C

TIME: 17:04:59

Input Set : A:\MTS3USA.seq.txt

Output Set: N:\CRF4\05092005\I936271C.raw

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3 <110> APPLICANT: Yousef, George M.
4     Diamandis, Eleftherios
6 <120> TITLE OF INVENTION: Novel Human Kallikrein-Like Genes
8 <130> FILE REFERENCE: MTS3USA
10 <140> CURRENT APPLICATION NUMBER: US 09/936,271C
11 <141> CURRENT FILING DATE: 2001-09-10
13 <150> PRIOR APPLICATION NUMBER: PCT/CA00/00258
14 <151> PRIOR FILING DATE: 2000-03-09
16 <150> PRIOR APPLICATION NUMBER: US 60/124,260
17 <151> PRIOR FILING DATE: 1999-03-11
19 <150> PRIOR APPLICATION NUMBER: US 60/127,386
20 <151> PRIOR FILING DATE: 1999-04-01
22 <150> PRIOR APPLICATION NUMBER: US 60/144,919
23 <151> PRIOR FILING DATE: 1999-07-21
25 <160> NUMBER OF SEQ ID NOS: 97
27 <170> SOFTWARE: PatentIn version 3.2
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30 <211> LENGTH: 4740
31 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
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39 gctgccagcc ccttctgggc cccaaccac tgccctgggtc gagttgaggc agcctgagag      180
41 agttgagctg gaagtttgca gcacctgacc cctggaacac atccccctggg ggcaggccag      240
43 cccaggctga ggatgcttat aagccccaag gaggccctg cggaggcagc aggctggagc      300
45 tcagcccagc agtggaatcc aggagcccag aggtggccgg gtaagaggcc tgggtggccc      360
47 ccactaaaag cctgcagtgt tcatgatcca actctcccta cagctccatg tcgctggatt      420
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79 tgatccattg ctgggaatct gtgcctgctt cctgggtctt cagtccctgag atccccctct 1380
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83 tgtggcttgg tgtgactgtg ggcaaggctg ggagaggata ggagtgactc ggcgaggac 1500
85 cgactctttg agcatcagtc tgcgcagaca agtgacccga tccttgetcc cagcaacaac 1560
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99 ctaggcctat atcctggacc agccctgaa gctccgatca tgaccctgc accataaacc 1980
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153 cacatagaaa tgcagttgac cttccaacag catggggcct gagggcggtg acctccacc 3600
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183 gacttccaac agatatgttg ctgggctatg ttgttattga tgatggttct gtctttgttt 4500
185 ctcagtctca tttagtctct ttctgagccc atatccattt ccacctctct gtgttttgaa 4560
187 ttctgactct ccctctcttc acaacagggt gactctgggg gggccctgat ctgcaacggg 4620
189 tacttgcagg gccttgtgtc tttcggaaaa gcccgtgtg gccaaagttg cgtgccaggt 4680
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194 &lt;210&gt; SEQ ID NO: 2

195 &lt;211&gt; LENGTH: 237

196 &lt;212&gt; TYPE: PRT

197 &lt;213&gt; ORGANISM: Homo sapiens

199 &lt;400&gt; SEQUENCE: 2

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202 1 5 10 15
205 Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu Val Met Glu Asn Glu
206 20 25 30
209 Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val Leu Ser Ala
210 35 40 45
213 Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly Leu His Ser
214 50 55 60
217 Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu Ala Ser Leu
218 65 70 75 80
221 Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu Ala Asn Asp Leu
222 85 90 95
225 Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser Asp Thr Ile Arg
226 100 105 110
229 Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn Ser Cys Leu
230 115 120 125
233 Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Glu Leu Thr Gly Arg Met
234 130 135 140
237 Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu Val
238 145 150 155 160
241 Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala
242 165 170 175
245 Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly
246 180 185 190
249 Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys
250 195 200 205
253 Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu Cys
254 210 215 220
257 Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
258 225 230 235

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261 &lt;210&gt; SEQ ID NO: 3

262 &lt;211&gt; LENGTH: 254

263 &lt;212&gt; TYPE: PRT

264 &lt;213&gt; ORGANISM: Homo sapiens

266 &lt;400&gt; SEQUENCE: 3

268 Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile

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Input Set : A:\MTS3USA.seq.txt

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269 1          5          10          15
272 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
273          20          25          30
276 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu
277          35          40          45
280 Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln
281          50          55          60
284 Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly
285 65          70          75          80
288 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
289          85          90          95
292 Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu
293          100          105          110
296 Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu
297          115          120          125
300 Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala
301          130          135          140
304 Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg
305 145          150          155          160
308 Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu
309          165          170          175
312 Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys
313          180          185          190
316 Ala Gly Gly Glu Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly
317          195          200          205
320 Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly
321          210          215          220
324 Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu
325 225          230          235          240
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329          245          250
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333 <211> LENGTH: 278
334 <212> TYPE: DNA
335 <213> ORGANISM: Homo sapiens
337 <400> SEQUENCE: 4
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340 ctgcaacggt gactctgggg ggcccctgat ctgcaacggg tacttgacagg gccttgtgtc 120
342 tttcggaaaa gcccgtgtg gccaaagttg cgtgccaggt gcctacacca acctctgcaa 180
344 attcactgag tggaatagaga aaaccgtcca ggccagttaa ctctggggac tgggaaccca 240
346 tgaaattgac ccccaaatac atcctgcgga aggaattc 278
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350 <211> LENGTH: 20
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial
354 <220> FEATURE:
355 <223> OTHER INFORMATION: primer
357 <400> SEQUENCE: 5
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## RAW SEQUENCE LISTING

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TIME: 17:04:59

Input Set : A:\MTS3USA.seq.txt

Output Set: N:\CRF4\05092005\I936271C.raw

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361 <210> SEQ ID NO: 6
362 <211> LENGTH: 20
363 <212> TYPE: DNA
364 <213> ORGANISM: Artificial
366 <220> FEATURE:
367 <223> OTHER INFORMATION: primer
369 <400> SEQUENCE: 6
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375 <212> TYPE: DNA
376 <213> ORGANISM: Artificial
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379 <223> OTHER INFORMATION: primer
381 <400> SEQUENCE: 7
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386 <211> LENGTH: 21
387 <212> TYPE: DNA
388 <213> ORGANISM: Artificial
390 <220> FEATURE:
391 <223> OTHER INFORMATION: primer
393 <400> SEQUENCE: 8
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400 <213> ORGANISM: Artificial
402 <220> FEATURE:
403 <223> OTHER INFORMATION: primer
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410 <211> LENGTH: 19
411 <212> TYPE: DNA
412 <213> ORGANISM: Artificial
414 <220> FEATURE:
415 <223> OTHER INFORMATION: primer
417 <400> SEQUENCE: 10
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421 <210> SEQ ID NO: 11
422 <211> LENGTH: 20
423 <212> TYPE: DNA
424 <213> ORGANISM: Artificial
426 <220> FEATURE:
427 <223> OTHER INFORMATION: primer
429 <400> SEQUENCE: 11
430 acaatgagct gcgtgtggct                                20
433 <210> SEQ ID NO: 12

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 05/09/2005  
PATENT APPLICATION:    US/09/936,271C      TIME: 17:05:00

Input Set : A:\MTS3USA.seq.txt  
Output Set: N:\CRF4\05092005\I936271C.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9,10,11,12,15,16,17,18,19,20,24,25,26,27,28,29,30,31,32,33,34,35  
Seq#:36,37,38,39,40,41,42,46,47,48,49,50,51,52,53,54,55,61,62,63,64,90

**VERIFICATION SUMMARY**

DATE: 05/09/2005

PATENT APPLICATION: US/09/936,271C

TIME: 17:05:00

Input Set : A:\MTS3USA.seq.txt

Output Set: N:\CRF4\05092005\I936271C.raw